

Recombinant Human EPB42

Cat. No. EPB42-26437TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human EPB42 with an N terminal proprietary tag; Predicted MW 36.52kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	Erythrocyte membrane protein band 4.2 is an ATP-binding protein which may regulate the association of protein 3 with ankyrin. It probably has a role in erythrocyte shape and mechanical property regulation. Mutations in the EPB42 gene are associated with recessive spherocytic elliptocytosis and recessively transmitted hereditary hemolytic anemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.520kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

KMPEKAEQYQPLTASVSLQNSLDAPMEDCVISILGRGLIHRERSYRFRSVWPENTM
CAKFQFTPTHVGLQRLTVEVDCNMFQNLNTNYKSVTVVAPELSA

Sequence Similarities

Belongs to the transglutaminase superfamily. Transglutaminase family.

GENE INFORMATION

Gene Name

EPB42 erythrocyte membrane protein band 4.2 [Homo sapiens]

Official Symbol

EPB42

Synonyms

EPB42; erythrocyte membrane protein band 4.2; Erythrocyte surface protein band 4.2; MGC116735; MGC116737; PA;

Gene ID

2038

mRNA Refseq

NM_000119

Protein Refseq

NP_000110

MIM

177070

Uniprot ID

P16452

Chromosome Location

15q15-q21

Function

ATP binding; protein binding; protein-glutamine gamma-glutamyltransferase activity; structural constituent of cytoskeleton;

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